



Attorney's Docket No.: 10741-004001

1041

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Chapman, et al.  
Serial No. : 10/072,295  
Filed : February 5, 2002  
Title : SEPARATING COMPONENTS OF BIOLOGICAL SAMPLES

Art Unit : 1641  
Examiner : Unknown

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Washington, D.C. 20231

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Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed. Those references marked by an asterisk (\*) were cited in the parent application and therefore copies are not included herewith.

This statement is being filed before the receipt of a first Office action on the merits.  
Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: \_\_\_\_\_

5/7/02

  
\_\_\_\_\_  
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Reg. No. 41,258

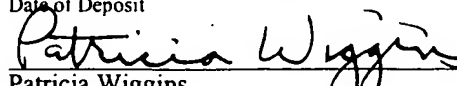
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Patricia Wiggins

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Sheet 1 of 3

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10741-004001	Application No. 10/072,295
	Applicant Chapman, et al.		
	Filing Date February 5, 2002	Group Art Unit	

## U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,716,122*	12/29/87	Scheefers	436	532	
	AB	4,879,220*	11/7/89	Mrsny et al.	436	7	
	AC	5,227,160*	7/13/93	Nudelman, et al.			
	AD	5,602,005*	2/11/97	Herr, et al.			
	AE	5,605,803	2/25/97	Herr et al.	435/7.21	435/7.1	
	AF	5,753,231*	5/19/98	Herr, et al.			
	AG	5,830,472	11/3/98	Herr et al.	424/152.1	530/388.2	
	AH	5,925,168	*7/20/99	Judkins et al.	95/27	95/28	
	AI	6,258,364 B1	*7/10/01	Herr et al.	424/279.1	530/395	

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## Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AJ	EP0156537A2*	02.10.85	EPO			X	
	AK	EP0332022A2*	13.09.89	EPO				X
	AL	EP0332022B1*	13.09.89	EPO				X
	AM	EP0408078A2	16.01.91	EPO				
	AN	EP0408078B1*	16.01.91	EPO				X
	AO	EP0475784A1*	18.03.92	EPO			X	
	AP	WO 94/01773*	20.01.94	PCT			X	
	AQ	WO 95/16204*	15.06.95	PCT			X	
	AR	WO 95/31429*	23.11.95	PCT			X	
	AS	WO 96/31781*	10.10.96	PCT				X
	AT	WO 01/35759 A1	5/25/01	PCT				

## Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AU	Kyurkchiev, et al., "A human-mouse hybridoma producing monoclonal antibody against human sperm coating antigen", Immunology, Vol. 57, pp. 489-492 (1986)

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 10741-004001	Application No. 10/072,295
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Chapman, et al.	
		Filing Date February 5, 2002	Group Art Unit MAY 23 2002

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### Other Documents (include Author, Title, Date, and Place of Publication)

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	AV	*Bruce Budowle, STR Typing Protocol for the Hitachi FMBIO® II, Dept. of Justice, Federal Bureau of Investigation, FBI Academy, January 21, 1999, Quantico, VA.
	AW	*Anthony C. Forster, et al., Non-radioactive Hybridization Probes Prepared by the Chemical Labeling of DNA and RNA with Novel Reagent, Photobiotin, Nucleic Acids Research, Vol. 13, No. 3, pp. 745-761, 1985, Oxford, England.
	AX	*Daniel A. Geselowitz and Ronald D. Neumann, Quantitation of Triple-Helix Formation Using a Photo-Cross Linkable Aryl Azide/BiotinOligonucleotide Conjugate, Bioconjugate Chem., Vol. 6, No. 4, pp. 502-506, 1995,
	AY	*Kanefusa Kato, et al., Enzyme-Linked Immunoassay: Conjugation of the FAB Fragment of Rabbit IgG with $\beta$ -D-Galactosidase From E. Coli and its Use for Immunoassay, The Journal of Immunology, Vol. 116, No. 6, June 1976, The Williams & Wilkins Co.
	AZ	*Kanefusa Kato, et al., Enzyme-Linked Immunoassay: Conjugation of Rabbit Anti-(Human Immunoglobulin G) Antibody with $\beta$ -D-Galactosidase From Escherichia Coli and its Use for Human Immunoglobulin G. Assay, Eur. J. Biochem., 62, 285-292, 1976.
	AAA	*Ute C. Krieg, et al., Photocrosslinking of the Signal Sequence of Nascent Preprolactin to the 54-Kilodalton Polypeptide of the Signal Recognition Particle, Proc. Natl. Acad. Sci., USA, Vol. 83, pp. 8604-8608, 1986.
	ABB	*Ernest Lacey and Warwick N. Grant, Photobiotin as a Sensitive Probe for Protein Labeling, Analytical Biochemistry, Vol. 163, pp. 151-158, 1987, Academic Press.
	ACC	*Parimi Muralikrishna, et al., Placement of the [alpha]-sarcin Loop within the 50S Subunit: Evidence Derived using a Photolabile Oligodeoxynucleotide Probe, Oxford Univ. Press, 1997, 4562-4569
	ADD	*Don P. Wolf, et al., Acrosomal Status Evaluation in Human Ejaculated Sperm with Monoclonal Antibodies, Biology of Reproduction, Vol. 32, pp. 1157-1162, 1985.
	AEE	*Shinji Yoshitake, et al., Conjugation of Glucose Oxidase from Aspergillus niger and Rabbit Antibodies Using N-Hydroxysuccinimide Ester of N-(4-Carboxycyclohexylmethyl)-Maleimide, Eur. J. Biochem., Vol. 101, pp. 395-399, 1979.
	AFF	*Nucleotide Photoaffinity Labeling: A Powerful Tool for Life Science Research, Affinity Labeling Technologies, Inc., Univ. of Kentucky, Lexington, KY, 1999.
	AGG	*Covalent Coupling, TechNote #205, Bangs Laboratories, Inc., Fishers, IN, Aug. 31, 1999.
	AHH	*Safařik, I. et al., "Use of magnetic techniques for the isolation of cells" Journal of Chromatography B: Biomedical Applications, NL, Elsevier Science Publishers, vol. 722, no. 1-2, pp. 33-53, (5 February 1999)
	AII	*Margel S. et al., "Synthesis, characterization, and use of new solid and hollow, magnetic and non-magnetic, organic-inorganic monodispersed hybrid microspheres," Scientific and Clinical Applications of Magnetic Carriers, Plenum Press, New York, USA, pp. 37-51 (1997)
	AJJ	*Margel, S. et al., "Functional nanospheres: Synthesis and biological applications," Recent Research Development In Polymer Science, 1:51-78 (1997)
	AKK	*Kausch, Albert P. et al., "Organelle Isolation by Magnetic Immunoabsorption," BioTechniques 26:336-343 (February 1999)
	ALL	*Eberle, A. N., "Photoaffinity labeling of peptide hormone receptors," Journal of Receptor Research, 3:313-326 (1983) ISBN: 0197-5110

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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AMM	Application for Federal Assistance, "Spermatozoa Capture During the Differential Extraction Process for STR Typing of Sexual Assault Evidence, With the Potential for Automation", submitted to: U.S. Dept. of Justice, National Institute of Justice 5/12/00

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Substitute Disclosure Form (PTO-1449)